

POLYESTER CONJUGATED YARN

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Abstract

PURPOSE: To obtain the titled yarn causing neither nep nor unopened part in a carding process, by providing conjugated yarn having highly spiral crimp developing ability consisting of specific two polyesters with mechanical crimp having a specific number of crimps.

CONSTITUTION: Polyester conjugated yarn wherein a copolymer polyester A comprising an ethylene terephthalate unit as a main component copolymerized with 3-6mol% constituent unit containing a metallic sulfonate group is eccentrically bonded to a copolymer polyester comprising polyethylene terephthalate or ethylene terephthalate unit as a main component, different from the copolymer polyester A. The polyester conjugated yarn has $\leq 10\%$ substantial heat shrinkage percentage by free shrinkage heat treatment at 170 deg.C, latently crimping ability to develop ≥ 50 crimps/25mm spiral crimps and 8-15 crimps/25mm mechanical crimps. The polyester conjugated yarn is processed into spun yarn, woven and knitted goods or nonwoven fabrics and when subjected to relaxing heat treatment, it develops strong spiral crimps to give products having improved stretchability and elastic recovery.

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